## **Progress Report**

Progress Report # 004

Reporting Period: February 1 to April

30, 2007

Submittal Date: May 16, 2007

**Agreement No:** 05-230-55-0

Project Name: ASBS Planning Program - Integrated Coastal Watershed Management (ICWM) Plan

Contractor Name: City of Newport Beach

Program Director/Designated Representative: Dave Kiff /Robert Stein

**Summary of Work Completed During This Reporting Period** 

	ipieted Burning Timo Reporting Ferrod		% of Work	<u>Date</u>
<u>Task</u>	Deliverable by Subtask #	Due Date	Complete	<u>Submitted</u>
1.0 PAEP, Monitoring	1.1 Project Assessment and Evaluation Plan	6/06		
Plan, QAPP and CEQA	1.2 Monitoring Plan	10/06		
(85% complete)	1.3 Quality Assurance Plan	10/06	100%	
	1.4 California Environmental Quality Act	2/07	100%	
2.0 WORK TO BE PER- FOMRED BY GRANTEE				
2.1 Plan Preparation	2.1.1 Gather Information	5/06	100%	9/06
Activities (Consultant: Weston Solutions)	2.1.2 ICWMP TAC meetings	6/06	100%	
(100% complete)	2.1.3 Agency meetings	6/06	100%	
	2.1.4 ICWMP timeline	6/06	100%	
	2.1.5 Identify subcontractors	6/06	100%	11/06
2.2 Public Use Impact	2.2.1 Review Background Data and Reports	6/06	100%	5/07
Report (Consultant: Coastal Resources) (30% complete)	2.2.2 Public Use Report	8/07	0%	
2.3 Urban Runoff Flow	2.3.1 Review baseline data (in progress)	5/06	50%	
and Water Quality Assessment (Consultant: Weston Solutions)	2.3.2 Review and collect water quality data (in progress)	6/06	10%	
(20% complete)	2.3.3 Drainage Area Water Quality Assessment Reports	7/06		

2.4 Cross-Contamination Impacts (Consultant: Everest International Consultants) (15% complete)	2.4.1 Review previous Newport Coast and Laguna Beach watershed reports	8/06	100%	4/07
	2.4.2 Review existing coastal watershed program, marine habitat sites and monitoring programs	8/06	100%	4/07
	2.4.3 Establish range of loading rates for specific constituents	9/06	50%	
	2.4.4 Review water quality data for CCA #69	8/06	100%	
	2.4.5 Review sediment discharge data	8/06	90%	
	2.4.6 Review longshore current and pollutant transport data	8/06	100%	
	2.4.7 Pollutant Loading Report	10/06	50%	
	2.4.8 Expand GIS database	2/07	0070	
	2.4.9 Prepare the hydrodynamic and water quality model	11/06	25%	
	2.4.10 Estimate typical currents using the model	12/06		
	2.4.11 Prepare a Particle Tracking Analysis	1/07		
	2.4.12 Draft Cross-Contamination Impact Report	2/07		
	2.4.13 Final Cross-Contamination Impact Report	3/07		
2.5 ASBS Research and Data Collection and Pilot	2.5.1 Review data from other marine protection areas.	7/06	100%	5/07
Renovation Program (Consultants: Weston Solutions, UCI and Cal- State Fullerton)	2.5.2 Review flow and water quality report from the Cities of Newport Beach and Laguna Beach	7/06	50%	
(25% complete)	2.5.3 Define a toxicological study	8/06	30%	
	2.5.4 Conduct the toxicological study	5/07		
	2.5.5 Define ASBS baseline information. Prepare a monitoring mitigation plan (MMP). Define a comparison study with a reference ASBS			
	2.5.6 Implement MMP and Comparison Study	11/06		
	2.5.7 Define a Pilot Renovation Experiment	5/07		
	2.5.8 Implement a Pilot Renovation Experiment	9/07		
	2.5.9 Add ASBS's to Mineral Management Services tracking program			

2.6 Coordinate Elements into ICWMP (Consultant:	2.6.1 Develop metric	9/06	50%	
Weston Solutions)	2.6.2 Draft Integrated Coastal Watershed	1/08	10%	
(10% complete)	Management Plan (ICWMP)			
	2.6.3 TAC review of ICWMP			
	2.6.4 Final ICWMP	2/08		
2.7 CEQA Docu-	2.7.1 Obtain list of required Permits, CEQA	2/072/07	100%	
mentation and Permits (Consultants: Cal-State	2.7.2 Submit permits, CEQA	2,012,01	100%	1/07
Fullerton and Weston				
Solutions)				
(100% complete)				
2.8 Community Outreach	2.8.1 Submit website information	10/07		
and Agency Training				
(City is the lead on this	2.8.2 Public Forums	8/07	70%	
task)				
(50% complete)	2.8.3 Training Manuals	12/07		

#### Introduction

The Work Plan is focused on identifying and quantifying those environmental impacts having the most deleterious effects on the water quality and habitat of the ASBSs and then preparing an Integrated Coastal Watershed Management Plan (ICWMP) to mitigate these deleterious effects.

## Task Accomplishments (February 1 to April 30, 2007)

This section describes specific tasks accomplished during this period.

Task 1.0 Project Assessment and Evaluation Plan, Monitoring Plan, Quality Assurance Project Plan and California Environmental Quality Act (85% complete) The QAPP and PAEP are complete. The Evaluation will be prepared at the end of the assessment.

# Task 2.1 Plan Preparation Activities (100% complete)

Task completed.

### Task 2.2 Public Use Impact Report (30% complete)

Rick Ware of Coastal Resources is conducting the Public Use study. The public use studies have commenced at Little Corona and Heisler Park, followed by Crystal Cove and Morning Canyon.

About one-third of the 120 public use surveys have been conducted. Surveys are scheduled to continue for the rest of the year. As expected, the initial surveys show that the most heavily used areas are at Little Corona and Heisler Park, followed by Crystal Cove and Morning Canyon.

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#### Task 2.3 Urban Runoff Flow and Water Quality Assessment (20% complete)

Weston Solutions has outplanted mussels in the Little Corona area. These mussels will be harvested in July and analyzed for bioaccumulation of constituents of concern. In May, Weston Solutions collected storm water samples which will be used to re-evaluate potential kelp toxicity due to storm flows.

### Task 2.4 Cross Contamination Impacts (15% complete)

In April, the City authorized Weston to install three velocity sensors outside the harbor jetty. These sensors, along with salinity probes, will provide data that will be used in the numerical modeling of a potential plume of contaminant emanating from Newport Bay. The sensors were retrieved after gathering data for a month. Weston and Everest are coordinating with processing the data.

Everest International Consultants has compiled a water quality list of constituents of concern in Newport Bay. (See attachment.) It appears that there are serious gaps in the existing information that may prevent a rigorous evaluation of the potential transport of contaminants from the Bay to the ASBS. Additional analysis is proceeding to see if there is a way to overcome this difficulty.

# Task 2.5 ASBS Research and Data Collection and Pilot Renovation Program (25% complete)

Cal-State Fullerton's rockweed renovation program is well underway. A number of transplant scenarios are being investigated to see what the most effective way to seed rockweed is. The large swells that pounded the beaches in May for the most part did not disrupt the experimental rockweed sites.

# Task 2.6 Coordinate Elements into Integrated Coastal Watershed Management Plan (10% complete)

Weston has prepared a draft watershed management plan that incorporates the emerging data and findings of the ASBS assessments.

#### Task 2.7 CEQA Documentation and Permits (100% complete)

#### Task 2.8 Community Outreach and Agency Training (50% complete)

On May 1<sup>st</sup>, City staff and consultants presented a workshop reviewing the studies and assessments underway in the ASBS areas. Attendees included staff from DWR, SWRCB, RWQCB, CCC, City of Laguna Beach, California Department of Parks, IRWD, County of Orange, Department of Fish & Game and US Fish and Wildlife. As a working meeting, the workshop solicited advice from attendees on a proposed metric of assessing impacts and a prioritization process for rating projects and programs.

Program Schedule There are no changes to the pro-	eject schedule.	
Submitted by:	Date:	
Attachment: Pollutant Loading Rep 2007	ort prepared by Everest Interna	tional Consultants, April 2,